

Freeform Search

Database:

- US Pre-Grant Publication Full-Text Database
- US Patents Full-Text Database
- US OCR Full-Text Database
- EPO Abstracts Database
- JPO Abstracts Database
- Derwent World Patents Index
- IBM Technical Disclosure Bulletins

Term:



Display: **Documents in Display Format:** **Starting with Number**

Generate: **Hit List** **Hit Count** **Side by Side** **Image**

Search **Clear** **Interrupt**

Search History

DATE: **Monday, March 27, 2006** [Printable Copy](#) [Create Case](#)

<u>Set</u>	<u>Hit</u>	<u>Set</u>
<u>Name</u>	<u>Count</u>	<u>Name</u>
side by side		result set
<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>		
<u>L5</u> L1 and (ADCC or Fc near mediated) near10 (immunoglo\$ or antibod\$) and glycosyltransferase\$	93	<u>L5</u>
<u>L4</u> L1 and (ADCC or Fc near mediated) near10 (immunoglo\$ or antibod\$)	173	<u>L4</u>
<u>L3</u> L1 and (ADCC or Fc near mediated) and CHO	161	<u>L3</u>
<u>L2</u> L1 and (ADCC or Fc near mediated)	174	<u>L2</u>
<u>L1</u> glycosylat\$ near5 mutant\$	925	<u>L1</u>

END OF SEARCH HISTORY

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Set  Items  Description
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? set hi ;set hi
HIGHLIGHT set on as ''
HIGHLIGHT set on as ''
? begin 5,6,55,154,155,156,312,399,biotech,biosci
>>>           135 is unauthorized
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Set Items Description

? s glycosylat? (5n) mutant?
342774 GLYCOSYLAT?
2015935 MUTANT?
S1 6927 GLYCOSYLAT? (5N) MUTANT?
? s s1 and (glycoengineer? or glycosylat? (n) engineer?)
6927 S1
274 GLYCOENGINEER?
342774 GLYCOSYLAT?
3712048 ENGINEER?
330 GLYCOSYLAT? (N) ENGINEER?
S2 34 S1 AND (GLYCOENGINEER? OR GLYCOSYLAT? (N) ENGINEER?)
? s s2 and (ADCC or Fc)
34 S2
16263 ADCC
193590 FC
S3 1 S2 AND (ADCC OR FC)
? d s3/3/1
Display 3/3/1 (Item 1 from file: 357)
DIALOG(R)File 357:Derwent Biotech Res.
(c) 2006 Thomson Derwent & ISI. All rts. reserv.

0206888 DBR Accession No.: 97-02009
Effect of glycosylation on antibody function: implications for genetic
engineering - potential recombinant antibody engineering, a review
AUTHOR: Wright A; Morrison S L
CORPORATE AFFILIATE: Univ.California-Inst.Mol.Biol.
CORPORATE SOURCE: Department of Microbiology and Molecular Genetics and the
Molecular Biology Institute, University of California, Los Angeles, 405
Hilgard Avenue, Los Angeles, CA 90095, USA.
JOURNAL: Trends Biotechnol. (15, 1, 26-32) 1997
ISSN: 0167-9430 CODEN: TRBIDM
LANGUAGE: English

- end of record -

? s glycoengineer? or glycosylat? (n) engineer?
274 GLYCOENGINEER?
342774 GLYCOSYLAT?
3712048 ENGINEER?
330 GLYCOSYLAT? (N) ENGINEER?
S4 596 GLYCOENGINEER? OR GLYCOSYLAT? (N) ENGINEER?
? s s4 and (ADCC or Fc)
596 S4
16263 ADCC
193590 FC
S5 45 S4 AND (ADCC OR FC)
? s (glycoengineer? or glycosylat? (n) engineer?) (5n) (immunoglo? or antibod?)
Processing
Processed 20 of 39 files ...
Completed processing all files
274 GLYCOENGINEER?
342774 GLYCOSYLAT?
3712048 ENGINEER?
330 GLYCOSYLAT? (N) ENGINEER?
1370981 IMMUNOGLO?
4526041 ANTIBOD?
S6 57 (GLYCOENGINEER? OR GLYCOSYLAT? (N) ENGINEER?) (5N)
(IMMUNOGLO? OR ANTIBOD?)
? s s6 and (ADCC or Fc)
57 S6
16263 ADCC
193590 FC
S7 24 S6 AND (ADCC OR FC)
? rd s7

>>>Duplicate detection is not supported for File 391.

>>>Records from unsupported files will be retained in the RD set.

S8 13 RD S7 (unique items)

? d s8/3/1-13

Display 8/3/1 (Item 1 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

(c) 2006 BIOSIS. All rts. reserv.

0015839931 BIOSIS NO.: 200600185326

Enhanced potency of **glycoengineered** anti-CD52 monoclonal
antibodies (MAbs)

AUTHOR: Dyer Martin J S (Reprint); Moser Samuel; Bruenker Peter; Bird Pru;
Almond Neil; Pijentener Ursula; Wheat Luise M W; Bolam Emma; Berrie
Eleanor; Grau Roger; Buckby Emma; Ben Kennedy; Stebbings Richard; Hale
Geoff; Umana Pablo

AUTHOR ADDRESS: Univ Leicester, Dept Haematol, Leicester, Leics, UK**UK

JOURNAL: Blood 106 (11, Part 1): p830A NOV 16 2005 2005

CONFERENCE/MEETING: 47th Annual Meeting of the

American-Society-of-Hematology Atlanta, GA, USA December 10 -13, 2005;

20051210

SPONSOR: Amer Soc Hematol

ISSN: 0006-4971

DOCUMENT TYPE: Meeting; Meeting Poster

RECORD TYPE: Abstract

-more-

?

Display 8/3/1 (Item 1 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

(c) 2006 BIOSIS. All rts. reserv.

LANGUAGE: English

- end of record -

?

Display 8/3/2 (Item 2 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

(c) 2006 BIOSIS. All rts. reserv.

0014431467 BIOSIS NO.: 200300400186

Glycosylation engineering of antibodies for improving
antibody-dependent cellular cytotoxicity

AUTHOR: Umana Pablo (Reprint); Jean-Mairet Joel; Bailey James E

AUTHOR ADDRESS: Manchester, UK**UK

JOURNAL: Official Gazette of the United States Patent and Trademark Office

Patents 1273 (1): Aug. 5, 2003 2003

MEDIUM: e-file

PATENT NUMBER: US 6602684 PATENT DATE GRANTED: August 05, 2003 20030805

PATENT CLASSIFICATION: 435-691 PATENT ASSIGNEE: Glycart Biotechnology AG,
Switzerland PATENT COUNTRY: USA

ISSN: 0098-1133 (ISSN print)

DOCUMENT TYPE: Patent

RECORD TYPE: Abstract

LANGUAGE: English

- end of record -

?

Display 8/3/3 (Item 1 from file: 154)

DIALOG(R)File 154: MEDLINE(R)

(c) format only 2006 Dialog. All rts. reserv.

20150977 PMID: 16435400

Modulation of therapeutic antibody effector functions by
glycosylation engineering : Influence of Golgi enzyme
localization domain and co-expression of heterologous beta1,
4-N-acetylglucosaminyltransferase III and Golgi alpha-mannosidase II.

Ferrara Claudia; Brunker Peter; Suter Tobias; Moser Samuel; Puntener
Ursula; Umana Pablo

GLYCART biotechnology AG, Wagistrasse 18, CH-8952 Schlieren, Switzerland;
telephone: +41 044 755 61 61; fax: +41 044 755 61 60.

Biotechnology and bioengineering (United States) Apr 5 2006, 93 (5)

p851-61, ISSN 0006-3592--Print Journal Code: 7502021
Publishing Model Print
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: In Data Review

- end of record -

?
Display 8/3/4 (Item 2 from file: 154)
DIALOG(R)File 154: MEDLINE(R)
(c) format only 2006 Dialog. All rts. reserv.

20097368 PMID: 16330541
The carbohydrate at Fc γ RIIIa Asn-162. An element required for high affinity binding to non-fucosylated IgG glycoforms.
Ferrara Claudia; Stuart Fiona; Sondermann Peter; Brunker Peter; Umana Pablo
GLYCART Biotechnology AG (Roche Group), Wagistrasse 18, CH-8952 Schlieren, Switzerland.
Journal of biological chemistry (United States) Feb 24 2006, 281 (8)
p5032-6, ISSN 0021-9258--Print Journal Code: 2985121R
Publishing Model Print-Electronic
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: In Process

- end of record -

?
Display 8/3/5 (Item 3 from file: 154)
DIALOG(R)File 154: MEDLINE(R)
(c) format only 2006 Dialog. All rts. reserv.

13262236 PMID: 11410853
Expression of GnT α III in a recombinant anti-CD20 CHO production cell line: Expression of antibodies with altered glycoforms leads to an increase in ***ADCC*** through higher affinity for ***FC*** gamma RIII.
Davies J; Jiang L; Pan L Z; LaBarre M J; Anderson D; Reff M
IDEC Pharmaceuticals Corporation, 3010 Science Park Road, P.O. Box 919080, San Diego, California 92191-9080 USA.
Biotechnology and bioengineering (United States) Aug 20 2001, 74 (4)
p288-94, ISSN 0006-3592--Print Journal Code: 7502021
Publishing Model Print
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed

- end of record -

?
Display 8/3/6 (Item 1 from file: 399)
DIALOG(R)File 399: CA SEARCH(R)
(c) 2006 American Chemical Society. All rts. reserv.

144227485 CA: 144(13)227485c PATENT
Glycosylation engineering for production of galactosylated glycoproteins in lower eukaryotes
INVENTOR(AUTHOR): Davidson, Robert Collier; Gerngross, Tillman Ulf; Wildt, Stefan; Choi, Byung-Kwon; Nett, Juergen Hermann; Bobrowicz, Piotr; Hamilton, Stephen Robin
LOCATION: USA
PATENT: U.S. Pat. Appl. Publ. ; US 20060040353 A1 DATE: 20060223
APPLICATION: US 2005108088 (20050415) *US 2000PV214358 (20000628) *US 2000PV215638 (20000630) *US 2001PV279997 (20010330) *US 2001892591 (20010627) *US 2001PV344169 (20011227) *WO 2002US41510 (20021224) *US 2003371877 (20030220) *US 2004PV562424 (20040415)
PAGES: 73 pp., Cont.-in-part of U.S. Ser. No. 371,877. CODEN: USXXCO
LANGUAGE: English

PATENT CLASSIFICATIONS:

CLASS: 435069100

-more-

? Display 8/3/6 (Item 1 from file: 399)

DIALOG(R) File 399:CA SEARCH(R)

(c) 2006 American Chemical Society. All rts. reserv.

IPCR/8 + Level	Value	Position	Status	Version	Action	Source	Office:	
C07H-0021/04	A	I	F	B	20060101	20060223	H	US
C12P-0021/06	A	I	L	B	20060101	20060223	H	US
C12P-0019/28	A	I	L	B	20060101	20060223	H	US
C12N-0009/10	A	I	L	B	20060101	20060223	H	US
C12N-0001/18	A	I	L	B	20060101	20060223	H	US
C12N-0015/74	A	I	L	B	20060101	20060223	H	US

- end of record -

? Display 8/3/7 (Item 2 from file: 399)

DIALOG(R) File 399:CA SEARCH(R)

(c) 2006 American Chemical Society. All rts. reserv.

141172878 CA: 141(11)172878p PATENT

Engineering of glycosylation profile of antibody Fc region to increase Fc receptor binding affinity and effector function for treating cancer

INVENTOR(AUTHOR): Umana, Pablo; Bruenker, Peter; Ferrara, Claudia; Suter, Tobias

LOCATION: Switz.

ASSIGNEE: Glycart Biotechnology Ag

PATENT: PCT International ; WO 200465540 A2 DATE: 20040805

APPLICATION: WO 2004IB844 (20040122) *US PV441307 (20030122) *US PV491254 (20030731) *US PV495142 (20030815)

PAGES: 231 pp. CODEN: PIXXD2 LANGUAGE: English

PATENT CLASSIFICATIONS:

CLASS: C12N-000/A

DESIGNATED COUNTRIES: AE; AE; AG; AL; AL; AM; AM; AM; AT; AT; AU; AZ; AZ; BA; BB; BG; BR; BR; BW; BY; BY; BZ; BZ; CA; CH; CN; CN; CO; CO; CR; CR; CU; CU; CZ; CZ; DE; DE; DK; DM; DZ; EC; EC; EE; EE; EG; ES; ES; FI; FI;

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? Display 8/3/7 (Item 2 from file: 399)

DIALOG(R) File 399:CA SEARCH(R)

(c) 2006 American Chemical Society. All rts. reserv.

GB; GD; GE; GE; GH; GM; HR; HR; HU; HU; ID; IL; IN; IS; JP; JP; KE; KE; KG; KG; KP; KP; KP; KR; KR; KZ; KZ; LC; LK; LR; LS; LS; LT; LU; LV; MA; MD; MD; MG; MK; MN; MW; MX; MX; MZ; MZ; NA; NI

- end of record -

? Display 8/3/8 (Item 1 from file: 34)

DIALOG(R) File 34:SciSearch(R) Cited Ref Sci

(c) 2006 Inst for Sci Info. All rts. reserv.

14634217 Genuine Article#: 991CC No. References: 59

Title: In vitro galactosylation of human IgG at 1 kg scale using recombinant galactosyltransferase

Author(s): Warnock D; Bai XM; Autote K; Gonzales J; Kinealy K; Yan B; Oian J; Stevenson T; Zopf D; Bayer RJ (REPRINT)

Corporate Source: Neose Technol Inc,102 Witmer Rd/Horsham//PA/19044 (REPRINT); Neose Technol Inc,Horsham//PA/19044(bbayer@neose.com)

Journal: BIOTECHNOLOGY AND BIOENGINEERING, 2005, V92, N7 (DEC 30), P831-842

ISSN: 0006-3592 Publication date: 20051230

Publisher: JOHN WILEY & SONS INC, 111 RIVER ST, HOBOKEN, NJ 07030 USA

Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

- end of record -

? Display 8/3/9 (Item 2 from file: 34)

DIALOG(R)File 34:SciSearch(R) Cited Ref Sci
(c) 2006 Inst for Sci Info. All rts. reserv.

14326755 Genuine Article#: 961JX No. References: 51
Title: Improved effector functions of a therapeutic monoclonal Lewis Y-specific antibody by glycoform engineering
Author(s): Schuster M (REPRINT) ; Umana P; Ferrara C; Brunner P; Gerdes C; Waxenecker G; Wiederkum S; Schwager C; Loibner H; Himmller G; Mudde GC
Corporate Source: Igeneon AG, Brunnerstr 69-3/A-1230 Vienna//Austria/ (REPRINT); Igeneon AG, A-1230 Vienna//Austria/; Glycart Biotechnol AG, Zurich//Switzerland/ (manfred.schuster@igeneon.com)
Journal: CANCER RESEARCH, 2005, V65, N17 (SEP 1), P7934-7941
ISSN: 0008-5472 Publication date: 20050901
Publisher: AMER ASSOC CANCER RESEARCH, 615 CHESTNUT ST, 17TH FLOOR, PHILADELPHIA, PA 19106-4404 USA
Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

- end of record -

?
Display 8/3/10 (Item 3 from file: 34)
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci
(c) 2006 Inst for Sci Info. All rts. reserv.

12559888 Genuine Article#: 779HM No. References: 54
Title: Fucose depletion from human IgG1 oligosaccharide enhances binding enthalpy and association rate between IgG1 and Fc gamma RIIIa
Author(s): Okazaki A; Shoji-Hosaka E; Nakamura K; Wakitani M; Uchida K; Kakita S; Tsumoto K; Kumagai I; Shitara K (REPRINT)
Corporate Source: Kyowa Hakko Kogyo Co Ltd, Tokyo Res Labs, Machida Shi/Tokyo 1948533//Japan/ (REPRINT); Kyowa Hakko Kogyo Co Ltd, Tokyo Res Labs, Tokyo 1948533//Japan/; Tohoku Univ, Grad Sch Engn, Dept Biomol Engn, Aoba Ku, Sendai/Miyagi 9808579/Japan/
Journal: JOURNAL OF MOLECULAR BIOLOGY, 2004, V336, N5 (MAR 5), P1239-1249
ISSN: 0022-2836 Publication date: 20040305
Publisher: ACADEMIC PRESS LTD ELSEVIER SCIENCE LTD, 24-28 OVAL RD, LONDON NW1 7DX, ENGLAND
Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

- end of record -

?
Display 8/3/11 (Item 1 from file: 357)
DIALOG(R)File 357:Derwent Biotech Res.
(c) 2006 Thomson Derwent & ISI. All rts. reserv.

0393542 DBR Accession No.: 2006-07038
Influence of variable N-glycosylation on the cytolytic potential of chimeric CD19 antibodies - recombinant antibody production against CD19 via plasmid expression in cell culture for use in disease therapy
AUTHOR: BARBIN K; STIEGLMAIER J; SAUL D; STIEGLMAIER K; STOCKMEYER B; PFEIFFER M; LANG P; FEY GH
CORPORATE AFFILIATE: Univ Erlangen Nurnberg Univ Erlangen Nurnberg Univ Tubingen
CORPORATE SOURCE: Fey GH, Univ Erlangen Nurnberg, Dept Genet, Chair Genet, Staudtstr 5, D-91058 Erlangen, Germany
JOURNAL: JOURNAL OF IMMUNOTHERAPY (29, 2, 122-133) 2006
ISSN: 1524-9557
LANGUAGE: English

- end of record -

?
Display 8/3/12 (Item 2 from file: 357)
DIALOG(R)File 357:Derwent Biotech Res.
(c) 2006 Thomson Derwent & ISI. All rts. reserv.

0370174 DBR Accession No.: 2005-15880
New technologies for manufacturing proteins - process optimization for the production of monoclonal antibody and therapeutic protein using antibody engineering and glycoengineering
AUTHOR: PEARSON S

CORPORATE SOURCE: Pearson S,
JOURNAL: GENETIC ENGINEERING NEWS (25, 9, 48-+) 2005
ISSN: 0270-6377
LANGUAGE: English

- end of record -

?
Display 8/3/13 (Item 3 from file: 357)
DIALOG(R) File 357:Derwent Biotech Res.
(c) 2006 Thomson Derwent & ISI. All rts. reserv.

0206888 DBR Accession No.: 97-02009

Effect of glycosylation on antibody function: implications for genetic engineering - potential recombinant antibody engineering, a review

AUTHOR: Wright A; Morrison S L

CORPORATE AFFILIATE: Univ.California-Inst.Mol.Biol.

CORPORATE SOURCE: Department of Microbiology and Molecular Genetics and the Molecular Biology Institute, University of California, Los Angeles, 405 Hilgard Avenue, Los Angeles, CA 90095, USA.

JOURNAL: Trends Biotechnol. (15, 1, 26-32) 1997

ISSN: 0167-9430 CODEN: TRBIDM

LANGUAGE: English

- end of record -

?
? e au=umana, pablo

Ref	Items	Index-term
E1	6	AU=UMANA, P
E2	8	AU=UMANA, P.
E3	27	*AU=UMANA, PABLO
E4	8	AU=UMANA, R
E5	10	AU=UMANA, R.
E6	1	AU=UMANA, R. G.
E7	8	AU=UMANA, ROBERTO
E8	1	AU=UMANA, ROSEANN FRANCES
E9	1	AU=UMANA, S
E10	2	AU=UMANA, S.
E11	1	AU=UMANA, SALVADOR C.
E12	1	AU=UMANA, SERGIO

Enter P or PAGE for more

? e au=umana pablo

Ref	Items	Index-term
E1	47	AU=UMANA P
E2	11	AU=UMANA P.
E3	26	*AU=UMANA PABLO
E4	1	AU=UMANA Q, A.
E5	26	AU=UMANA R
E6	1	AU=UMANA R A
E7	2	AU=UMANA R F
E8	2	AU=UMANA R.
E9	1	AU=UMANA R., G.
E10	2	AU=UMANA R.A.
E11	1	AU=UMANA R.F.
E12	1	AU=UMANA RF

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? e au=jean-Mairet, joel

Ref	Items	Index-term
E1	2	AU=JEAN-MAIRET, J
E2	4	AU=JEAN-MAIRET, J.
E3	7	*AU=JEAN-MAIRET, JOEL
E4	2	AU=JEAN-MAIRET, Y.
E5	1	AU=JEAN-MAIRET, YOLANDA
E6	1	AU=JEAN-MANCE SISTER
E7	1	AU=JEAN-MARC B

E8 2 AU=JEAN-MARC B.
E9 5 AU=JEAN-MARC BURGUNDER
E10 2 AU=JEAN-MARC COSTA
E11 1 AU=JEAN-MARC CRAMER, R.
E12 2 AU=JEAN-MARC D

Enter P or PAGE for more

? e au=jean-mairet joel

Ref Items Index-term
E1 11 AU=JEAN-MAIRET J
E2 4 AU=JEAN-MAIRET J.
E3 6 *AU=JEAN-MAIRET JOEL
E4 8 AU=JEAN-MAIRET Y
E5 1 AU=JEAN-MAIRET Y.
E6 4 AU=JEAN-MAIRET YOLANDA
E7 2 AU=JEAN-MAIRET, J
E8 4 AU=JEAN-MAIRET, J.
E9 7 AU=JEAN-MAIRET, JOEL
E10 2 AU=JEAN-MAIRET, Y.
E11 1 AU=JEAN-MAIRET, YOLANDA
E12 1 AU=JEAN-MANCE SISTER

Enter P or PAGE for more

? e au=bailey, james

Ref Items Index-term
E1 36 *AU=BAILEY, JAMES
E2 32 AU=BAILEY, JAMES A
E3 35 AU=BAILEY, JAMES A.
E4 2 AU=BAILEY, JAMES ALLEN
E5 1 AU=BAILEY, JAMES ALMA
E6 1 AU=BAILEY, JAMES ANDREW
E7 2 AU=BAILEY, JAMES ARTHUR
E8 1 AU=BAILEY, JAMES B.
E9 1 AU=BAILEY, JAMES BLAIR
E10 2 AU=BAILEY, JAMES BRAD
E11 2 AU=BAILEY, JAMES C.
E12 2 AU=BAILEY, JAMES D

Enter P or PAGE for more

? p

Ref Items Index-term
E13 4 AU=BAILEY, JAMES D.
E14 1 AU=BAILEY, JAMES DALE
E15 2 AU=BAILEY, JAMES DONALD
E16 156 AU=BAILEY, JAMES E
E17 528 AU=BAILEY, JAMES E.
E18 1 AU=BAILEY, JAMES EARL
E19 4 AU=BAILEY, JAMES EDWARD
E20 7 AU=BAILEY, JAMES EDWIN
E21 82 AU=BAILEY, JAMES EDWIN (ED)
E22 5 AU=BAILEY, JAMES F.
E23 1 AU=BAILEY, JAMES G.
E24 1 AU=BAILEY, JAMES GEORGE, JR.

Enter P or PAGE for more

? e au=bailey james e

Ref Items Index-term
E1 374 *AU=BAILEY JAMES E
E2 52 AU=BAILEY JAMES J
E3 117 AU=BAILEY JAMES L
E4 2 AU=BAILEY JAMES LYNCH
E5 102 AU=BAILEY JAMES M
E6 4 AU=BAILEY JAMES R
E7 1 AU=BAILEY JAMES R JR
E8 18 AU=BAILEY JAMES W

E9 8 AU=BAILEY JANE
E10 4 AU=BAILEY JANE E
E11 2 AU=BAILEY JANELLE M
E12 7 AU=BAILEY JANET

Enter P or PAGE for more

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